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Claims

[001]	Method of selective etching comprising:
	- providing a first material selected from a group A on a substrate
	- providing a second material selected from a group B on a substrate
	- selectively etching said first material with a selectivity of at least 2:1 towards
	said second material by a liquid etchant flowing across the substrate surface at a
	flow sufficient fast to generate a mean velocity v parallel to the substrate's
	surface of minimum 0,1m/s
[002]	Method of claim 1 wherein said liquid is dispensed onto the substrate in a
	continuous flow and spread over the substrate's surface
[003]	Method of claim 2 wherein the point of impact of the liquid stream is moved
	across the surface of the substrate in a time sequence.
[004]	Method of claim 2 wherein said liquid is dispensed at a volume flow of at least
	0,05 1/min (especially at least 0,5 1/min).
[005]	Method of claim 1 wherein said substrate is rotated while exposed to said liquid
	etchant.
[006]	Method of claim 1 wherein group A comprises materials with a high dielectric
	constant.
[007]	Method of claim 1 wherein group B comprises silicon dioxide, silicon.
[800]	Method of claim 1 wherein the second material is silicon dioxide and the liquid
	etchant comprises fluoride ions.
[009]	Method of claim 1 wherein said first material is subjected a pretreatment in order
	to damage the material's structure.
[010]	Method of claim 9 wherein said pretreatment is an energetic particle
	bombardment.
[011]	Method of claim 1 wherein said liquid etchant is selected from a group
	comprising
	- a solution comprising fluoride ions and an additive for lowering dielectric
	constant of said solution,
	- an acidic, aqueous solution comprising fluoride ions.
	- an acidic, aqueous solution comprising fluoride ions and an additive for
	lowering dielectric number e.g. an alcohol.
[012]	Method of claim 11 wherein said liquid etchant comprises an analytical con-
	centration of less than 0.01 mol/l of fluoride ions, wherein said analytical c on-

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centration is calculated as F.

[013] Method of claim 1 wherein said liquid etchant comprises fluoride ions and has a pH value of below 3.

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